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- (71) Applicant (for all designated States except US): SAUDI ARABIAN OIL COMPANY [SA/SA]; R-3296, Administration Building, Dhahran 31311 (SA).
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(54) Title: METHOD USING PARTICULATE CHELATES TO STIMULATE PRODUCTION OF PETROLEUM IN CARBONATE FORMATIONS

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(54) Title: METHOD USING PARTICULATE CHELATES TO STIMULATE PRODUCTION OF PETROLEUM IN CARBON-ATE FORMATIONS

(57) Abstract: A method and composition for stimulating petroleum production from carbonate reservoirs by employing chelating agents, such as EDTA, which are in particulate form rather than aqueous solutions of chelating agents. The use of particulate chelants, which are relatively unstable in acidic solutions, results in a stimulation fluid with a very high dissolution capability.

## INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C09K 7/02, 3/00; E21B 43/16  US CL : 166/307; 507/203, 241, 902				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/307; 507/203, 241, 902				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
x u	US 6,394,185 B1 (CONSTIEN) 28 May 2002 (28.05.2002), column 6, lines 20-41, column 3, lines 19-22, column 11, lines 1-40.		1-3, 6, 8	
x U	US 5,846,922 A (LAGNEMO et al) 08 December 1998 (08.12.1998), column 3, line 62 - column 4, line 2 and Example 1.		1-3, 5, 6	
x u	US 5,225,087 A (KARDOS) 06 July 1993 (06.07.1993), see Examples and column 5, lines 26-33		1-4, 6, 8, 9	
Further do	ocuments are listed in the continuation of Box C.	See patent family annex.		
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Date of the actual completion of the international search		Date of mailing of the international search report		
17 May 2004 (17.05.2004)  Name and mailing address of the ISA/US		Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Philip C Tucker  Telephone No. 571-272-1700		
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. 571-272-1700	for	

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Continuation of B. FIELDS SEARCHED Item 3:	
EAST, DERWENT search terms: chelant, chelating agent, particle, particulate, EDTA, HEIDA, DTPA	CDTA.
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